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NEWS 3	Jan 29	FSTA has been reloaded and moves to weekly updates
NEWS 4	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS 5	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 6	Mar 08	Gene Names now available in BIOSIS
NEWS 7	Mar 22	TOXLIT no longer available
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L1   584646 CARBONATE

=> s diaryl
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=> s l1 and diaryl
  18 FILES SEARCHED...
  30 FILES SEARCHED...
L2   903 L1 AND DIARYL

=> s l2 and palladium
  32 FILES SEARCHED...
L3   54 L2 AND PALLADIUM

=> s l3 and co-catalyst
  12 FILES SEARCHED...
  29 FILES SEARCHED...
  40 FILES SEARCHED...
L4   6 L3 AND CO-CATALYST

=> d ibib ab 1-6

L4   ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2002:345990 CAPLUS
DOCUMENT NUMBER: 136:356769
TITLE: Oxidative carbonylation process and catalysts for the
                         production of **diaryl carbonates**
                         from phenols, carbon monoxide, and oxygen
INVENTOR(S):   Ofori, John Yaw; Pressman, Eric James; Shalyaev,
                         Kirill Vladimirovich; Williams, Eric Douglas;
                         Battista, Richard Anthony
PATENT ASSIGNEE(S):   General Electric Company, USA
SOURCE: U.S., 13 pp., Cont.-in-part of U.S. Ser. No. 736,871.
                         CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

     PATENT NO.   KIND DATE   APPLICATION NO.   DATE
     ---------------- ---- --------   ---------------- --------
     US 6384262   B1   20020507   US 2001-961753   20010924
PRIORITY APPLN. INFO.:   US 2000-736871   A2 20001214
AB   A catalytic process for the prodn. of **diaryl carbonates**
     (e.g., di-Ph **carbonate**) by the oxidative carbonylation of arom.
     hydroxy compds. (e.g., phenol) with carbon monoxide and oxygen is
     described which achieves water removal during the reaction by the steps of
     removing a liq. stream from an oxidative carbonylation reaction mixt. in a
     reaction vessel, subjecting the liq. stream to reduced pressure, and

returning at least a portion of the dried liq. stream to the reaction vessel. Typical oxidative carbonylation catalyst systems contain: (A) at least one Group VIII metal(s) having an at. no. of >44 or a compd. the metal; (B) at least one guanidinium salt or onium salt; and (C) at least one metal **co-catalyst**. Process flow diagrams are provided.

REFERENCE COUNT: 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:152754 CAPLUS
DOCUMENT NUMBER: 134:194109
TITLE: Preparation of polycarbonates by oxidative carbonylation and melt or solid-state polymerization
INVENTOR(S): Chaudhari, Raghunath Vitthal; Kelkar, Ashutosh Anant; Gupte, Sunil Purushottam; Bhnanage, Bhalchandra Mahadeo; Qureshi, Mohammed Shadbar; Moasser, Bahram; Pressman, Eric James; Sivaram, Swaninathan; Avadhani, Chilukuri Ver; Kanagasabapathy, Subbareddiar
PATENT ASSIGNEE(S): General Electric Company, USA
SOURCE: PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001014454	A1	20010301	WO 2000-US20228	20000725
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6222002	B1	20010424	US 1999-378116	19990820

PRIORITY APPLN. INFO.: US 1999-378116 A 19990820

AB The polycarbonate is prepd. by oxidative carbonylating a dihydroxy arom. compd. (such as bisphenol A) with carbon monoxide in the presence of a catalyst comprising a Group VIII metal having at. no. .gtoreq.44 or its compd. (such as **palladium** 2,4-pentanedionate), .gtoreq.1 inorg. and/or org. **co-catalyst** (such as 2,2':6',2"-terpyridine), .gtoreq.1 halide source (hexaethylguanidinium bromide) and an alc.-free solvent contg. .gtoreq.1 liq. arom. hydrocarbon (such as toluene), optionally in combination with a dipolar aprotic liq. (such as N-methylpyrrolidinone) to from a oligomer; converting the carbonylation oligomer to a polycarbonate precursor by melt polymn. in the presence of .gtoreq.1 **diaryl carbonate** (such as di-Ph **carbonate**), and melt or solid-state polymg. the precursor.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:475627 CAPLUS
DOCUMENT NUMBER: 133:106566
TITLE: Method for making aromatic **carbonates**
INVENTOR(S): Pressman, Eric James; Johnson, Bruce Fletcher; Moreno, Phillip Oscar; Battista, Richard Anthony
PATENT ASSIGNEE(S): General Electric Company, USA
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000040541	A1	20000713	WO 1999-US24429	19991018
W: BR, CN, IN, JP, KR, SG				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 6191299	B1	20010220	US 1998-224162	19981231
EP 1140776	A1	20011010	EP 1999-955041	19991018
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
BR 9916681	A	20011016	BR 1999-16681	19991018

PRIORITY APPLN. INFO.: US 1998-224162 A 19981231
WO 1999-US24429 W 19991018

OTHER SOURCE(S): MARPAT 133:106566

AB An improved method for producing an arom. **carbonate** by reacting an arom. hydroxy compd., carbon monoxide and oxygen in the presence of a catalyst system comprising at least one of **palladium** or a **palladium** compd.; at least one lead compd.; at least one halide source; and at least one desiccant, wherein the ratio of equiv. of lead **co-catalyst** relative to equiv. of **palladium** catalyst is optimized to increase reaction rate, as well as to allow prodn. of arom. **carbonate** in an economically feasible continuous process.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:157747 CAPLUS
DOCUMENT NUMBER: 132:182331
TITLE: Continuous oxidative carbonylation process and catalyst system for the manufacture of **diaryl carbonates** from hydroxyaromatic compounds and oxygen and carbon monoxide
INVENTOR(S): Moreno, Phillip
PATENT ASSIGNEE(S): General Electric Company, USA
SOURCE: U.S., 8 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6034262	A	20000307	US 1998-218651	19981222
WO 2000037417	A1	20000629	WO 1999-US24528	19991020
W: CN, JP, SG				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 1140777	A1	20011010	EP 1999-955073	19991020
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				

PRIORITY APPLN. INFO.: US 1998-218651 A 19981222
WO 1999-US24528 W 19991020

OTHER SOURCE(S): MARPAT 132:182331

AB **Diaryl carbonates** (e.g., di-Ph **carbonate**) are manufd. in a continuous process by contacting at least one hydroxyarom. compd. (e.g., phenol) with oxygen and carbon monoxide in the presence of catalyst system comprising a Group VIIIB metal catalyst [e.g., Pd(acac)2], an inorg. **co-catalyst** (e.g., PbO), an optional org. catalyst , and at least one halide source (e.g., hexaethylguanidinium bromide), in which one provides a first soln. comprising at least one first catalyst system component in a first tank, a second soln. comprising at least one second catalyst system component in a second tank, and feeding the first and second solns. sep. into a reactor.

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1997:769987 CAPLUS
DOCUMENT NUMBER: 128:23258
TITLE: Process and catalysts for the preparation of **diaryl carbonates** from hydroxyaromatic compounds and carbon monoxide-oxygen gas mixtures
INVENTOR(S): Buysch, Hans-Josef; Hesse, Carsten; Rechner, Johann
PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: Ger. Offen., 9 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19619949	A1	19971120	DE 1996-19619949	19960517
US 5856554	A	19990105	US 1997-853516	19970509
EP 807619	A1	19971119	EP 1997-107407	19970512
R: BE, DE, ES, FR, GB, IT, NL				
JP 10045674	A2	19980217	JP 1997-135803	19970512

PRIORITY APPLN. INFO.: DE 1996-19619949 19960517
OTHER SOURCE(S): MARPAT 128:23258
AB **Diaryl carbonates** (e.g., di-Ph **carbonate**) are prepd. in high yield, and without the use of phosgene, by the reaction of (un)substituted C6-12 hydroxyarom. compds. (e.g., PhOH) with an O-CO gas mixt. in the presence of a platinum-group catalyst (e.g., **palladium** bromide), a **co-catalyst** [e.g., manganese(III) acetylacetonate], a quaternary salt (e.g., Bu4NBr), and a base (e.g., PhONa) at 30-200.degree./1-200 bar in the melt phase and, from the beginning of the reaction, the amt. of **diaryl carbonate** in the reaction mass is maintained at .gtoreq.20% (i.e., initially by addn. of it to the reaction mixt.). A process flow diagram is presented.

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1996:674344 CAPLUS
DOCUMENT NUMBER: 125:300614
TITLE: Process and catalysts for the preparation of **diaryl carbonates** from aryl alcohols and carbon monoxide and oxygen
INVENTOR(S): Buysch, Hans-Josef; Hesse, Carsten; Rechner, Johann
PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 736511	A1	19961009	EP 1996-104710	19960325
EP 736511	B1	19991027		
R: DE, ES, FR, GB, IT, NL				
DE 19512616	A1	19961010	DE 1995-19512616	19950405
ES 2139269	T3	20000201	ES 1996-104710	19960325
JP 08283206	A2	19961029	JP 1996-95861	19960327
US 5663408	A	19970902	US 1996-623728	19960329

PRIORITY APPLN. INFO.: DE 1995-19512616 19950405
OTHER SOURCE(S): MARPAT 125:300614
AB **Diaryl carbonates** ROCO2R [R = (un)substituted C6-12

aryl] (e.g., di-Ph **carbona**[redacted] are prepd. in high yield and [redacted] selectivity by the reaction of aryl alcs. ROH (e.g., PhOH) with CO and O2 at 30-200.degree./2-50 bars in the presence of a quaternary salt (e.g., Bu4NBr), a base (e.g., PhONa), a Pt-group metal catalyst (e.g., **palladium** bromide), and a **co-catalyst** [e.g., activated C and Mn (II) acetylacetonate].

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4	32	((((558/274).CCLS.) and diaryl) and palladium) and co-catalyst	USPAT	2002/06/20 09:43
5	29	(((((558/274).CCLS.) and diaryl) and palladium) and co-catalyst) and salt	USPAT	2002/06/20 09:43
6	10	((((((558/274).CCLS.) and diaryl) and palladium) and co-catalyst) and salt) and solvent	USPAT	2002/06/20 09:44

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